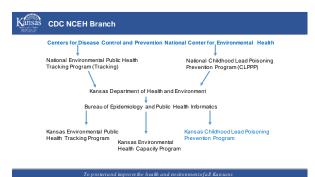


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*** Agenda

KDHE Childhood Lead Poisoning Prevention Program

Purpose of Program

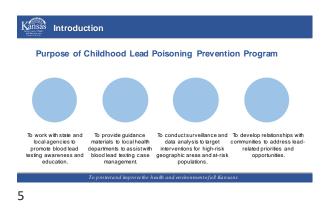
- Lead Reduction Goals
- Testing Recommendations and Regulations
- WIC Collaboration

- WIC Collaboration

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Next Steps

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Healthy People 2030 Environmental Health objectives:

- EH-2030-05 Reduce blood lead level in children aged 1–5 years National Health and Nutrition Examination Survey (NHANES), CDC/NCHS
- EH-2030-09 Reduce exposure to lead in the population, as measured by blood or urine concentrations of the substance or its metabolites, National Report on Human Exposure to Environmental Chemicals, COC/NCEH
- EH-2030-13 Increase the number of states, territories, tribes, and the District of Columbia
 that monitor diseases or conditions that can be caused by exposure to lead poisoning, State
 Reportable Conditions Data Inventory, Council of State and Territorial Epidemiologists (CSTE)
- OSH-2030-05 Reduce the rate of elevated blood lead levels in adults with work-related lead exposure Adult Blood Lead Epidemiology and Surveillance Program (ABLES), CDC/NIOSH

Lead exposure in children can result from multiple sources and can cause irreversible and life-long health affects.

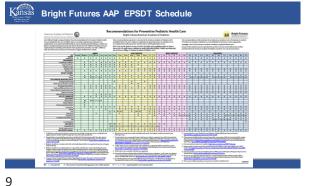
No safe blood lead level in children has been identified.

Even low levels offead in blood have been shown to effect (Q, ability to pay attention and a cademic achievement.

— Executive Summary

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Kansas Lead Risk Questionnaire If Yes or Don't Know, test the child immediately
 For more information, contact your county's local health department Provider's Name: ____ Josephone. Does you chief he in or viel a home, day-care or other building built befines 1972?

2 Does you chief he in or viel a home, day-care or other building shall befines 1972?

2 Does you chief he in or viel a home, day-care or other building with organing repairs or remodeling of the control of the plant and chaps of wife or the control of the plant and chaps of wife or the plant and the control of the plant and the plant and the control of the plant and the plan - Battery manufacturing or repair - Valve and pipe fittings - Pottery making - Brass/copper foundry
- Refinishing furniture
- Making fishing weights 7. Does your family use products from other countries such as pottery, health remedies, spices, or food?

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Kansas Reporting Variables (d) Each person specified in subsection (a) shall report the following information in a mainner specified by the secretary for any quantitative procedures are performed, and all available results suspected case or case required to be reported by subsection (a). Concerning additional characterization of the organism:

(7) treatment given;
(8) name, address, and telephone number of the attending suspected case or case required to be reported by subsect (b), or (c):

(1) The following personal information for each patient:
(A) First and last names and middle indial;
(B) address, including city, state, and zip code;
(C) stephone number, including area code;
(C) state of brith;
(E) sec;
(F) race;
(G) ethnicity (specify if hispanic or non-hispanic ethnicity);
(H) pregnancy status;
(1) date of onset of symptoms; and
(J) diagnosis;
(2) type of diagnosis tests;
(3) type of specimen;
(4) date of specimen collection;
(5) site of specimen collection; physician; and (9) any other necessary epidemiological information and additional specimen collection or altoratory test moutis requested by the secretary or local health officer. Auditorized by K. S. A. 55-101, K. S. A. 2017 Supp. 65-128, K. S. A. 65-1, 202, and K. S. A. 65-6003, implementing K. S. A. 65-10, 102, and K. S. A. 65-6002, simplementing K. S. A. 65-10, 102, and K. S. A. 65-6002, effective May 1, 1982; amended May 1, 1986; amended Dec. 24, 1990; amended April 1993; amended Jan 12, 1996; amended Dec. 1, 1997; amended Peb. 18, 2000; amended 7-28-112-0.03, Nov. 20.003; amended March 5, 2004; amended April 28, 2006; amended May 11, 2018.)

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The condition to report to KDHE. (5) blood lead level, any results;



Capillary samples are used only for screening purposes; meaning the first time a child or adult has been tested for lead. All elevated capillary samples with a result of 5 uydl. or greater must be confirmed by a venous sample. See the Elevated Blood Lead Case Investigation and Management Algorithm (Appendix B) for the recommended testing schedule. Once a patient has a confirmed elevated blood lead level from a venous sample, all follow-up testing must use a venous sample

Kansas Elevated Blood Lead Level

CASE DEFINITION

Elevated Blood Lead Level, Childhood

- Criteria for Case Investigation and Management:

 Blood lead test result greater than or equal to 5 micrograms per deciliter (µg/dL) for persons less than 16 years of age on the day the blood sample was drawn.

Elevated Blood Lead Level, Adult

- Criteria for Case Investigation and Management:

 Blood lead test result greater than or equal to 5 micrograms per deciliter (µgidL) for persons 16 years of age or older on the day the blood sample was drawn.

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- · Lead Risk Questionnaire
- · Blood lead screen capillary
- · Blood lead test v enous



Kansas Elevated Blood Lead Test





- Elevated capillary test requires a confirmatory blood test.
- KDHE case management algorithm assists local health departments with elevated blood lead cases.
- Elevated blood lead levels require further case investigation.

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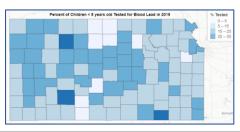
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Kansas 2019 Testing Rates in Kansas

Population Type	Age Group	Children Tested	Total Population	Percent Tested
State (Incl. Medicaid Enrolled)	12 to < 24 months	13667	36037	37.9
Medicaid Enrolled	12 to < 24 months	7316	32131	22.8
State (Incl. Medicaid Enrolled)	24 to < 36 months	5671	37321	15.2
Medicaid Enrolled	24 to < 36 months	3778	32587	11.6
State (Incl. Medicaid Enrolled)	0 to <= 72 months	26460	224162	11.8
Medicaid Enrolled	0 to <= 72 months	15347	125719	12.2

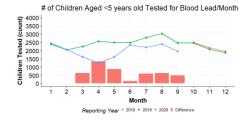
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Kansas Testing Rates in Kansas



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Kansas Testing Rates in Kansas



Kansas Sources of Lead Exposure

Examples of Sources:

- · Imported goods Dishware
 - Cosmetics
 - Jewelry
 - Spices
 - Candies
 - · Home remedies







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Additional Examples of Sources:

- · Secondary/take-home lead
 - Occupational exposure
 - Hobbies

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Kansas Lead Poisoning

Lead exposure can cause acute poisoning and chronic poisoning.



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Kansas Preventing Lead Exposure

- The best prevention is awareness and elimination of possible lead sources.
- Get a blood lead test.
- · Wash your hands.
- · Regularly clean around the home.
- Eat a balanced diet.

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Av oid bringing home lead dust from a job or a hobby



Namsas

Importance of Nutrition

Children are adversely and disproportionately effected by lead poisoning for a multitude of reasons.

- Environmental Exposures
- · Behaviors and mobility
- Physiology
- · Growth and Development
- · Nutritional Deficiencies

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W IC and Blood Testing in Children

WIC Allowable Costs-Clarification of WIC's FY 2001 Appropriations Act Provision Regarding Blood Lead Screening states that WIC State agencies must require that upon enrollment of a child, the parent or caretaker must be asked if the child has had a blood lead screening test.

If the child has not had a test, they must be referred to where they can obtain such a test.



- Dev eloped nutritional flyer and informational materials
- Created a healthy eating infographic and incorporated it in the WICShopper app
- · WIC Needs assessment survey



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Kansas WIC Survey

Q1 - During a child's certification or re-certification visit, how often do you ask about the child's most recent blood lead test that is part of the Diet Questionnaire?

#	Answer	<u>*</u>	Count
1	Everytime	33.33%	22
2	Sometimes	31.82%	21
3	Rarely	15.15%	10
4	Not Required	6.06%	4
5	Other	13.64%	9
	Total	100%	66

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Kansas WIC Survey

Q2 - If the child has not had a blood lead test previously, do you refer them to a provider or local health department for testing?

*	Answer	%		
1	Yes	60.61%	40	
2	No	16.67%	11	
3	Other	22.73%	15	
	Total	100%	66	

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Kansas WIC Survey

Q3 - Do you know who performs blood lead testing in your area for children?

#	Answer	%	Count
1	Yes	83.33%	55
2	No	12.12%	8
3	Other	4.55%	3
	Total	100%	66

Kansas WIC Survey

Q4 - If a child has not had a blood lead test previously, do you perform a blood lead capillary screening test?

1	Yes	19.70%	13
2	Sometimes	13.64%	9
3	No	22.73%	15
4	I refer to a provider or local health departme		22
5			7

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Q5 - Do you provide follow-up or referral services for a child with an elevated blood lead test when you know about it?

	Answer	%	
1	Yes	57.58%	38
2	No	1.52%	1
3	That is not part of my job responsibilities.	3.03%	2
4	I refer them to their provider or local health department.	28.79%	19
5	Other	9.09%	6
	Total	100%	66

Kansas WIC Survey

Q6 - During any of the visits with parents, do you provide the family with information regarding childhood blood lead poisoning prevention?

#	Answer			
1	Yes	43.94%	29	
2	No	13.64%	9	
3	So met imes	37.88%	25	П
4	Other	4.55%	3	П
	Total	100%	66	

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 ${\bf Q7}$ - What types of educational materials regarding childhood blood lead poisoning would be helpful for you to have to provide to families?

#			
1	Recommended testing guidelines	4.62%	3
2	Lead poisoning prevention fact sheet	9.23%	6
3	Nutritional recommendations to reduce lead absorption	6.15%	4
4	Other fact sheets	4.62%	3
5	All of the above	75.38%	49
	Total	100%	65

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Draw The Line On Lead Campaign LEAD POISONS KIDS The campaign was marketed during August and September of this year and included: YouTube video advertising in English and Spanish Google Ad Network display ads in English and Spanish Facebook advertising in English and Spanish Broadcast PSAs in English and Spanish Broadcast buys to support PSAs in se EL PLOMO ENVENENA A LOS NIÑOS markets PR and influencer outreach

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Kansas Draw The Line On Lead Campaign

Draw The Line On Lead 30 Second Video

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Next Steps

- Utilization of various evaluation methods to determine and address data gaps
- Develop intervention strategies based on assessments and analyses to increase testing rates
- · Collaborate with partners such as WIC to provide resources as requested and available

Polling Question

Counseling Tips

- Help us spread the message that there is NO safe level of lead and there is no way to know if a child has lead poisoning unless the child is tested.
- We recommend that at-risk children have a blood test at 12 months, 24 months, and at least once before they are 72 months of age.
- Become familiar with the lead risk questionnaire and remember that a lead poisoned child may not show any symptoms. There are more lead exposure routes than just lead-based paint.
- You can help the family to understand the importance of good nutrition and how it relates to overall health.

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Thank you

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